The present invention relates to compositions and methods for administering compositions in solutions for killing adult lice and the ova comprising water, PVM/MA Decadiene crosspolymers, propylene glycol, a mixture of cetyl and stearyl alcohols, Ceteareth-20; stearalkonium chloride; benzyl alcohol; hexylene glycol; pentylene glycol, isopropyl alcohol; a mixture of spinosyn A and spinosyn D in a weight ratio of 80:20, BHT; and sodium hydroxide.